

Abstract of the Disclosure

A print control apparatus and method for inkjet printers. The print control apparatus includes an encoder sensor for outputting a first and a second signal every
5 time a slit is detected; a direction decision unit for determining a travel direction of a carriage having a printer head therein based on the first and the second signal output from the encoder sensor; and an edge detection unit for detecting rising and falling edges of the first and second signals. The apparatus further includes a position counter for increasing and decreasing a counting value in relation to the direction decision
10 signal and the edge detection signal; and a control unit for moving the carriage to a predetermined reference position if the value counted by the position counter is equal to a predetermined reference position value, and outputting a print reference signal to the printer head, wherein the control unit outputs the print reference signal based on the same edge detected by the edge detection unit regardless of the travel direction of the
15 carriage.